

ROZHKOVA, Ye.V.; SEREBRYAKOVA, M.B.; MAKAROVA, T.V.

Possibility of calcium phosphate precipitation in sea-water
basins. Min.syr'e no.6:46-60 '62. (MIRA 16:4)
(Calcium phosphates) (Deep-sea deposits)

ROZHKOVA, Ye.V.; SHCHERBAK, O.V.; SAAKYAN, V.M.

Role of sorption in the zinc concentration in sedimentary rocks.

Min.syr'e no.6:61-74 '62.

(MIRA 16:4)

(Sorption)

(Ore deposits)

(Rocks, Sedimentary)

ROZHKOVA, Ye.V.; YERSHOVA, K.S.; SHCHERBAK, O.V.

New devices for dielectric separation of minerals. Min.syr'e
no.4:148-151 '62. (MIRA 16:4)
(Mineralogy) (Dielectrics)

SHMANENKOV, I.V., red.; ZVEREV, L.V., red.; KOVALENKO, O.V., red.;
SOKOLOV, I.Yu., red.; EYGELES, M.A., red.; Prinyali uchastiye:
BASMANOV, V.A., red.; KAMINSKAYA, L.S., red.; KOTS, G.A., red.;
LEVIUSH, I.T., red.; MOKROUSOV, V.A., red.; PODKOSOV, L.G.,
red.; ROZHKOVA, Ye.V.; SOLOV'YEV, D.V., red.; FEDOROV, P.N., red.;
FINKEL'SHTEYN, I.D.; KHONINA, O.I., red.; GRISHINA, T.B., red.
izd-va; GUROVA, O.A., tekhn. red.

[Studies on the dressing and industrial processing of minerals]
Issledovaniia po obogashcheniu i tekhnologii poleznykh iskopaemykh.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane neдр,
1961. 131 p. (MIRA 14:7)

1. Russia(1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya (for Eygeles, Leviush)

(Ores)

75

21(4)

PHASE I BOOK EXPLOITATION

SOV/2714

International Conference on the Peaceful Uses of Atomic Energy. 2nd,
Geneva, 1958

Doklady sovetskikh uchenykh; yadernoye goryucheye i reaktornyye metally.
(Reports of Soviet Scientists; Nuclear Fuel and Reactor Metals) Moscow,
Atomizdat, 1959. 670 p. (Series: Its: Trudy, vol. 3. 8,000 copies
printed.

Ed. (Title page): A.A. Bochvar, Academician, A.P. Vinogradov, Academician,
V.S. Yemel'yanov, Corresponding Member, USSR Academy of Sciences, and
A.P. Zefirov, Doctor of Technical Sciences; Ed. (Inside book): V.V.
Pereverzev and G.M. Pchelintseva; Tech. Ed.: E.I. Mazel'.

PURPOSE: This volume is intended for scientists, engineers, physicians, and
biologists working in the production and peaceful application of atomic
energy; for professors and students of schools of
higher technical education where the subject is taught; and for people
interested in atomic science and technology.

Card 1/11

Reports of Soviet Scientists (Cont.)

SOV/2714

COVERAGE: This is volume 3 of a 6-volume set of reports on atomic energy, presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, concentration and processing of nuclear source material. The second part, edited by G.L. Zverev, includes 27 reports on metallurgy, metallography, processing technology of nuclear fuels and reactor metals, and neutron irradiation effects on metals. The titles of the individual papers in most cases correspond word for word with those in the official English language edition on the Conference proceedings. See SOV/2081 for the titles of the other volumes of the set.

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SOV/2714

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- Tishkin, A.I., G.A. Tananayeva, G.D. Gladshev, I.V. Mil'nikov, V.A. Polikarpova, and M.S. Tsybul'skaya. Paragenetic Associations of Hydrothermal Uranium Minerals in Uranium Deposits of the Soviet Union (Report No. 2201) 110
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625

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Khristenko, P.I., P.A. Petrov, V.A. Mitropolevskiy, K.D. Sinel'nikov,
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Element for a Heavy Water Gas-cooled Power Reactor (Report No. 2053) 655

AVAILABLE: Library of Congress

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1-14-60

SHMANENKOV, I.V.; TITOV, V.I.; RUSANOV, A.K.; ROZHKOVA, Ye.V.; BYGELES, M.A.;
ZVEREV, L.V.

All-Union conference on laboratory methods of studying ores and
minerals of rare and trace elements. Sov. geol. no.61:158-166 '57.
(MIRA 11:4)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Mineralogy--Congresses)

ROZHKOVA, Ye. V.

137-1958-1-54

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 10 (USSR)

AUTHORS: ~~Rozhkova, Ye. V.~~ Proskurovskiy, L. V.

TITLE: Determining the Dielectric Permittivity of Minerals and Separating them by Dielectric Means (Opredeleniye dielektricheskoy pronitsayemosti mineralov i ikh dielektricheskaya separatsiya)

PERIODICAL: V sb. : Sovrem. metody mineralog. issledovaniya gorn. porod rud i mineralov. Moscow, Gosgeoltekhizdat, 1957, pp 115-138

ABSTRACT: The general concepts of dielectrics and dielectric permittivity (DP) are adduced and a brief survey of methods of determining DP and of employing them in the study of metals is presented. The results of measurements of the DP of minerals by various methods are offered. Having studied the methods employed by a number of investigators, the Authors attempt to determine the reasons for the different DP values obtained for identical minerals. In their opinion, the reasons for underestimation of the moisture content of the minerals, are the condition of liquid dielectrics, the employment of chemically unstable fluids, and genetic differences in the deposits. The Boltzmann-Billitzer method (a variant of the VIMS method) is described. The source

Card 1/2

137-1958-1-54

Determining the Dielectric Permittivity of Minerals (cont.)

of electric current is the secondary of a transformer yielding 50-cycle current, with smooth variation in voltage from 0 to 1300 and with the power taken off a 120-220 v line. Potentials of 400-600 v were used in determining DP. The electrodes were fine steel needles mounted in a hard rubber cartridge. The electrode tips were 1 mm apart. Mixtures of CCl_4 and CH_3OH provide good liquid media. Dielectric separation of minerals with kerosene and nitrobenzene used as the liquid media was performed. The possibility of separating minerals of closely similar specific weights presents the greatest interest, as it is impossible to separate them in heavy liquids. Minerals whose DP's differ by 1.5 - 2 are separated with ease. The procedure for separating minerals by needle electrodes and that of separation on a dielectric separator is described. Employment of DP permits separation of mixtures difficultly separable by other methods, such as rutile and zircon, beryllium and quartz, dolomite and apatite, monazite and zircon, pitchblende and barite, etc.

A. Sh.

Card 2/2

1. Minerals--Separation 2. Minerals--Dielectric properties
--Determination

ROZHKOVA, Ye.V.; SEREBRYAKOVA, M.V.

Possible role of sorption in the formation of contact zones [with summary in English]. Sov. geol. 1 no.4:144-157 Ap '58. (MIRA 11:6)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Geochemistry)

MODYANOVA, Ye.A.; ROZHKOVA, Z.A.

Electrophoretic motility of mouse hepatoma 22 cells and liver cells
under the action of dispersing agents. Biul. eksp. biol. i med. 56
no.9:93-95 S '63. (MIRA 17:10)

1. Iz Instituta eksperimental'noy i klinicheskoy onkologii (dir. -
deystvitel'nyy chlen AMN SSSR porf. N.N. Blokhin). Predstavlena
deystvitel'nyy chlenom AMN SSSR L.M. Shabadom.

MALENKOV, A.G.; VASIL'YEV, Yu.M.; MODYANOVA, Ye.A.; ROZHKOVA, Z.A.;
SHTAMM, Ye.V.

Nature of cohesion of liver cells. Biofizika 8 no.3:354-360
'63. (MIRA 17:11)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR,
Moskva.

ROZHKOVA, Z.I.

Science and Technology Library of the Volgograd Tractor Plant
in the struggle for technical progress. NTI no.12:16 '64.
(MIRA 18:3)

1. Zaveduyushchaya Nauchno-tekhnicheskoy bibliotekoy
Volgogradskogo traktornogo zavoda.

LISOVSKAYA, E.V.; DYATLOVITSKAYA, F.G.; POTEMKINA, S.K.; TOMASHEVSKAYA, L.A.;
ROZHKOVETSKAYA, R.K.

Experimental data on the basis of the maximum permissible concentration of maleic acid in the water of reservoirs and rivers.
San. okhr. vod. ot zagr. prom. stoch. vod. no.6:346-352 '64.

(MIRA 18:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut kommunal'noy
gigiyeny.

Country : USSR
Category : Soil Science. Fertilizers. Organic Fertilizers. J
Abs Jour : RZhBiol., No 6, 1959, No 24659
Author : Tikhomirova, L. D.; Rozhkovskaya, A. A.
Inst : Far Eastern Scientific-Research Institute of Agriculture.
Title : Application of Peat as a Fertilizer.
Orig Pub : Byul. nauchno-tekhn. inform. Dal'nevost. n.-i. in-ta s.-kh., 1958, No. 5, 28-31
Abstract : No abstract.

Card : 1/1

ROZHKOVSKAYA, A.G.

Compound treatment of peptic ulcer of the stomach and duodenum
with the use of Kuyal'nik No.4 mineral water. Vop. kur., fizioter.
i lech. fiz. kul't. 30 no.4:309-312 J1-Ag '65. (MIRA 18:9)

1. Odesskiy okruzhnoy voyennoy sanatoriy (nachal'nik A.G.
Bel'tyukov).

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44052

Author : Rozhkovskaya, G.S., Shcherbakova, I.S.

Inst : Kherson Agricultural Institute.

Title : On the Problem of Cultivating Corn in Khersonshchina

Orig Pub : Nauchn. zap. Khersonsk. s.-kh. in-t, 1957, vyp. 6, 145-149.

Abstract : This is a study of the effect of various agrotechnical procedures on yield which was made by the Kherson experimental station. Lateness in sowing drastically lowers the yield and the feed value of corn. When irrigated corn yield increased by 19.5 c/ha. The moisture-charging watering is more effective than the vegetation watering. Under conditions of irrigation an increase in the beds did not increase the yield. Sowings with hybrid

Card 1/2

ROZHKOVSKAYA, L.V.

IL'YASOV, I.I.; ROZHKOVSKAYA, L.V.; BERGMAN, A.G.

Fusibility diagram in a system of potassium and thallium bromides and chlorides. Zhur. neorg. khim. 2 no.8:1883-1887 Ag '57.
(MIRA 11:3)

1. Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut.
(Systems (Chemistry))

ROZHKOVSKAYA, L.V.
IL'YASOV, I.I.; ROZHKOVSKAYA, L.V.; BERGMAN, A.G.

Fusibility in the ternary mutual system of cadmium and lead
chlorides and bromides. Zhur.neorg.khim. 2 no.9:2174-2177
S '57. (MIRA 10:12)

1.Rostovskiy-na-Donu Inzhenerno-stroitel'nyy institut.
(Fusion) (Systems (Chemistry))

ROZHKOVSKIY, D. A.

"Photographic Photometry of Selected Sections of the Milky Way", Institute of Astronomy and Physics, Academy of Sciences Kazakh SSR, Alma-Ata, 4pp, 1950.

ROZHKOVSKIY, D.A.

USSR/Astronomy - Gegenschein
Night Sky

Jan/Feb 50

"Photographic Isophotes of the Gegenschein (Counter-
glow) According to Observations in 1948 and 1949,"
D. A. Rozhkovskiy, Mtn Astrophys Obs, Kazan Affili-
ate, Acad Sci USSR, 10 pp

"Astron Zhur" Vol XXVII, No 1

PA156T8

Gives results of photographic photometry of the Gegen-
schein, carried out while taking into account various
components of night-sky illumination. States varia-
bility of form and brightness of the Gegenschein.
Calculates its horizontal parallax. Finds that reso-
lution of components of night-sky illumination by

156T8

USSR/Astronomy - Gegenschein (Contd) Jan/Feb 50

Acad V. G. Fesenkov's method leads to isophotes of
the Gegenschein, which possesses definite regularity
or laws.

Translation 513373

156T8

ROZHKOVSKIY, D.A.

Observations of minor planets at the Mountain Astrophysical Observatory
of the Astrophysical Institute of the Academy of Sciences of the Kazakh
S.S.R. (Alma-Ata). Astron.tsir. no.105:3-4 S '50. (MLRA 6:8)
(Planets, Minor)

USSR/Astronomy - Nebulae

..Jul/Aug 52

"The Structure of Gas-Dust Nebulae and Their Connection With Stars," V. G. Fesenkov, D. A. Rozhkovskiy, Astrophys Inst, Acad Sci Kazakh SSR

"Astron Zhur" Vol 29, No 4, pp 381-396

A systematic survey of gas-dust nebulae was performed by D. A. Rozhkovskiy in the Astrophys Obs of the Acad Sci Kazakh SSR in the vicinity of Alma-Ata using a meniscus reflector with 670-mm mirror. Tentative results of work showed that globules are

226740

not strewn at random in space, but are intimately bound to nebulae and constitute a kind of absorbing material. Attempts are made to explain aureoles around stars and other peculiarities. Received 20 May 52.

226740

ROZHKOVSkiY, D. A.

USSR/Astronomy - Nebulae

Jul/Aug 52

"Formation of Stars From Filaments of Gas-Dust Nebulae" V. G. Fesenkov, D. A. Rozhkovskiy, Astrophys Inst, Acad Sci Kazakh SSR

"Astron Zhur" Vol 29, No 4, pp 397-405

Analyzes photographs of a group of nebulosities, in particular NGC 6960 and 6992 in Cygnus, especially the filaments which he considers to be the origin of forming stars. States that these filaments originate in turbulent processes within the

226741

medium and have a moment of rotation which they impart to the stars forming. As a result, the article states, stellar chains are formed, still reflecting the initial shape of filaments. Received 31 May 52.

ROZHKOVSKEY, D. A.

226741

1. ROZHKOVSkiY, D.A.
2. USSR (600)
4. Stars
7. New data concerning the origin of stars. Priroda 41. no. 11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

FESENKOV, V.G.; ROZHKOVSKIY, D.A.

The origin of the stars. Dokl. Akad. Nauk SSSR 84, No.5, 917-18 '52.
(PA 56 no.668:5270 '53) (MLRA 5:7)

ROZHKOVSKIY, D. A.

Comets - 1951

Observation of comets at the "Gornaia" Observatory of the Astrophysical Institute.
Academy of Sciences, Kazakh SSR. Astron. tsir., no. 122, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED.

1. ROZHKOVSKIY, D.A.
2. USSR (600)
4. Nebulae
7. Large nebulae in the constellations Orion and Opiuchus., Astron.tsir., No. 126, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ROZHKOVSKIY, D.A.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Fesenkov, V.G.	Research on the processes of the	Academy of Sciences Kazakh SSR
Rozhkovskiy, D.A.	origin and development of stars (series of articles)	

FESENKOV, Vasilii Grigor'yevich, 1889- ; ROZHKOVSKIY, D.A.

[Atlas of gas and dust nebulae] Atlas gazovo-pylevykh tumannostei.
Moskva, 1953. (MIRA 7:12)
(Nebulae) (Astronomical photography)

ROZHKOVSKIY, D. A.

PA 246T36

USSR/Astronomy - Stars, Origin

Jan/Feb 53

"Some Data on the Nature of Stars Originating from Gaseous Dust Nebulae," V.G. Fesenkov and D. A. Rozhkovskiy, Inst of Astrophys, Acad Sci Kazakhstan SSR

"Astron Zhur" Vol 30, No 1, pp 3-14

Authors discovered in 1952 stellar links between filament nebulae NGC 6960 and 52 Cygni using Maksutov telescope at the mountain observatory of the Inst of Astrophys. of Kazakhstan. Photographic plates used were American or German. Results obtained by photography are described. Received 10 Nov 52.

246T36

1. ROZHKOVSKIY, D. A.; MATYAGIN, V. S.
2. USSR 600
4. Nebulae
7. Magnitudes and color indicators of stars in arms of dust-gaseous nebulae of the Cygnus constellation, Dokl.AN SSSR, 88, No. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ROZHKOVSKIY, D.A.

Observations of the eighth satellite of Jupiter at the Mountain Observatory
of the Astrophysical Institute of the Academy of Sciences of the Kazakh
S.S.R. Astron.tsir. no.137:1 Ap '53. (MLRA 6:8)

1. Astrofizicheskiy Institut Akademii nauk Kaz.SSR. (Satellites--Jupiter)

ROZHKOVSKIY (Alma-Ata); GAVRILOV (Alma-Ata)

Brooks 2 Comet 1953b. Astron. tsir. no. 144:2 D '53. (MLRA 7:6)
(Comets--1953)

ROZHKOVSKIY, D. A.

AID - P-56

Subject : USSR/Astronomy

Card : 1/2

Authors : Fesenkov, V. G., Academician, and Rozhkovskiy, D. A.

Title : On the Radiation Energy from the Filaments of Nebulae and on the Narrow Stellar Trails connected with them.

Periodical : Astron. zhur., V. XXXI, 1, 3-14, Ja - F 1954

Abstract : Results of photometric determination of 20 stars in 4 stellar trails in filaments of the gaseous-cloudy nebula in Cygnus between NGC6960 and 6992-5 are given. The stars are assumed to be sub-giants. Radiation and evaluation of space density are estimated. Two photo negatives of the trails, shown on 2 plates, were made with D. D. Maksutov's meniscus telescope (opening 500 mm, light power 2.4) installed in 1950 in the Gornaya Astronomical Observatory. 3 graphs show samples of these stellar trails. The article is based on works by J. Chamberlin, Hynek, and E. R. Mustel'. The bibliography lists 4 references, of which 2 are Russian.

Astron. zhur., V. XXXI, 1, 3-14, Ja - F 1954.
(additional card)

AID - P-56

Card 2/2

Institution : Gornaya Astrophys. Obs. of the Acad. of Sci. Kaz SSR

Submitted : November 4, 1953

Subject : USSR/Astronomy AID P - 424
Card 1/1 Pub. 8, 3/16
Author : Rozhkovskiy, D. A.
Title : Bright Rims in Diffusion Nebulae and their Connection
with Central Stars
Periodical : Astron. zhur., v. 31-4, 318-323, J1-Ag 1954
Abstract : The bright rims on the boundaries between a dark and a
light diffusion nebula are a widespread occurrence. They
originate in the formation of fibrous nebulae from a-
morphous nebulae by the disintegration of the latter into
systems of bright rims. A table, 10 graphs and
7 references.
Institution : Institute of Astrophysics, Acad. of Sci., Kaz., SSR
Submitted : May 18, 1954

KURGANOV, V.; FESENKOV, V.G.; ROZHKOVSKIY, D.A.

On V.Kurganov's article "V.G.Fesenkov and D.A.Rozhkovskii's research in the development of stars from filaments of gas-dust nebulae." Astron.zhur. 31 no.6:556-557 N-D '54. (MLRA 8:1)
(Stars) (Nebulae)

ROZHKOVSKIY, D.A.

Polarization of light in the M20 and M8 nebulae. Dokl. AN SSSR
95 no.1:37-39 Mr '54. (MLRA 7:3)

1. Astrofizicheskiy institut Akademii nauk Kazakhskoy SSR,
(Nebulae)

Translation D 93810, 20 Aug 54

ROZHKOVSKIY, D. A.

USSR/Astronomia - Globules

Card 1/1 : Pub. 22 - 11/49

Authors : Rozhkovskiy, D. A.

Title : On spatial dispersion of "globules" observed on nebulae as background

Periodical : Dok. AN SSSR 98/4, 553-555, Oct. 1, 1954

Abstract : Results of the study of spacial distribution of so-called "globules" (globular form nebulae of comparatively small dimensions in the astronomical units), observed on another type galactic nebulae as a background, are presented. Six references (1946-1953). Table; diagrams.

Institution : Astrophysical Institute of the Acad. of Scs. of the USSR

Presented by : Academician V. G. Fesenkov, May 5, 1954

ROZHKOVSKIY, D.A.

Absolute photometry of selected sections of the Milky Way.
Izv. Astrofiz. Inst. AN Kazakh. SSR 1 no.1/2:25-55 '55.

(MLBA 9:10)

(Photometry, Astronomical) (Milky Way)

ROZHKOVSKIY, D.A.

The D.D. Maksutov 500 mm meniscus astrograph. Izv. Astrofiz.
Inst. AN Kazakh SSR 1 no.1/2:106-123 '55. (MLRA 9:10)

(Telescope)

ROZHKOVSKIY, D.A.

Dust inclusions in the nebula NGC 2237-9. Izv. Astrofiz. Inst.
AN Kazakh.SSR 1 no.1/2:136-142 '55. (MLBA 9:10)

(Nebulae)

ROSNOWSKI, D. A.

"The 500-mm Meniscus Astrograph in the Alma-Ata Observatory," a report presented at the Conference of Commission on Astronomical Instruments Construction of the Astronomical Council, AS USSR, 10-12 Feb 56.

Sov. No. 1047, 31 Aug 56

ROZHKOVSKIY, D.A.

Light polarization in nebulae; (summary). Izv.Astrofiz.Inst.
AN Kazakh. SSR 3 no.4:68-70 '56. (MLRA 9:10)

(Nebulae) (Polarization (Light))

ROZHKOVSKIY, D.A.

Structure and luminiscence of the filaments in gaseous dust
nebulae. Izv.Astrofiz.Inst. AN Kazakh. SSR 3 no.4:85-88 '56.

(MIRA 9:10)

(Nebulae)

ROZHKOVSKIY, D.A.

The nebula NGC 6960, 6992-5 photographed in the 3727 Å wave length
[OII]. Astron. tsir. no. 166:11-13 Ja '56. (MIRA 9:7)
(Spectrophotometry) (Nebulae)

ROZHKOVSKIY, D.A.

Determining light polarization by Academician V.G.Fesenkov's method.
Astron.tsir.no.166:13-16 Ja '56. (MIRA 9:7)
(Polarization (Light))

ROZHKOVSKIY, D.A.

Photographic photometry of variable stars during the exposure.
Astron.tsirk. no.171:14-16 J1 '56. (MLRA 9:12)

1. Astrofizicheskiy institut Akademii nauk Kazakhskoy SSR.
(Stars, Variable)
(Photometry, Astronomical)

ROZHKOVSKIY, D.A.

"On Statistical Study of Globules Projected on Stellar Clouds," 5 p.
paper submitted at Third Symposium on Cosmical Gas Dynamics, Cambridge, (Mass.),
24 - 29 June 1957/

Trans. Available
B-3,101,249, 1 Apr 58

ROZHKOVSKIY, D.A.

Comparing the brightness of some nebulae in the ultraviolet and
red regions of the spectrum [with summary in English]. Izv.
Astrofiz. inst. AN Kazakh SSR 5 no.7:3-10 '57. (MLRA 10:7)
(Nebulae--Spectra)

ROZHKOVSKIY, D.A.

List of reflecting nebulae not included in Cederblad's catalogue
[with summary in English]. Izv.Astrofiz.inst. AN Kazakh.SSR 5
no.7:11-16 '57. (MIRA 10:7)

(Nebulae)

ROZHKOVSKIY, D. A.

Photographic comparison of variable illumination sources
[with summary in English]. Izv. Astrofiz. inst. AN Kazakh. SSR
5 no. 7:25-36 '57. (MLRA 10:7)
(Photometry)

ROZHKOVSKIY, D.A.

Investigating short-period variable stars by means of long
exposure photographs [with summary in English]. Izv.Astrofiz.
inst. AN Kazakh.SSR 5 no.7:37-42 '57. (MLRA 10:7)
(Stars, Variable) (Astronomical photography)

ROZHKOVSKIY, D.A.

Simple adjustment of Maksutov's meniscus telescope [with summary
in English]. Izv.Astrofiz.inst. AN Kazakh.SSR 5 no.7:43-49
'57. (MLRA 10:7)

(Telescope)

ROZHKOVSKIY, D.A.

Observations of Arend-Roland's comet (1956 h) at the Astrophysical
Institut of the Academy of Sciences of Kazakhstan. Astron. tsir.
no.181:4-6 Je '57. (MIRA 13:3)

1.Astrofizicheskiy institut AN KazSSR.
(Comet--1956)

D.A.
ROZHKOVSKIY; MATYAGIN, V. S.

Encke's periodic comet (1957 c). Astron. tsir. no. 184:5 S '57.
(Comet, Encke's) (MIRA 11:4)

ROZHKOVSKIY, D.A.: MATYAGIN, V.S.

Results of photographic observations of the carrier-rocket at the Mountain Observatory of the Astrophysical Institute of the Academy of Sciences of the Kazakh S.S.R. October 25, 1957. Astron.tsir. no.186:1-2 N '57. (MIRA 11:4)

1. Astrofizicheskiy institut AN KazSSR.
(Artificial satellites) (Rockets (Aeronautics))

ROZHKOVSKIY, D.A.

Organizing photographic observations of satellites and rockets on
50 cm Maksutov meniscus telescope. Astron. tsir. no.187:3-4 D '57.
(MIRA 11:6)

1. Astrofizicheskiy institut AN KazSSR.
(Artificial satellites) (Astronomical photography)

ROZHKOVSKIY, D.A.

Organizing photographic observations of satellites and rockets on
50 cm Maksutov meniscus telescope. Astron. tsir. no.187:3-4 D '57.
(MIRA 11:6)

1. Astrofizicheskiy institut AN KazSSR.
(Artificial satellites) (Astronomical photography)

ROZHKOVSKIY, D.A.

PHASE I BOOK EXPLOITATION

SOV/3849
SOV/20-M-6

Akademiya nauk Kazakhskoy SSR. Astrofizicheskiy institut

Izvestiya, tom 6 (News of the Astrophysics Institute, Academy of Sciences
Kazakhskaya SSR, Vol. 6) Alma-Ata, 1958. 200 p. Errata slip inserted.
880 copies printed.

Editorial Board: G.M. Idlis, M.G. Karimov, Z.V. Karyagina (Secretary),
D.A. Rozhkovskiy, and V.G. Fesenko (Resp. Ed.); Eds.: N.A. Vaslavskiy,
and Yu.N. Kuznetsov; Tech. Ed.: Z.P. Rorokina.

PURPOSE: This publication is intended for astronomers and astrophysicists.

COVERAGE: This issue of the Kazakh astrophysical journal contains three unrelated
articles on atmospheric optics, the detection of globules, and the measurement
of the intensity of green coronal lines. References and English abstracts
accompany each article.

TABLE OF CONTENTS:

Toropova, T.P. The Role of Various Factors in Weakening Light in the
Earth's Atmosphere

3

Card 1/3

News of the Astrophysics Institute (Cont.)

80V/3849

Author discusses the results of measurements of the spectral transparency of the Earth's atmosphere in the region of the spectrum from 4100 to 10100 Å and of the content of water vapor throughout the atmosphere. An evaluation of the different factors (molecular scattering, absorption by water vapor, aerosol reduction, etc.) which weaken light is given. The author thanks N.I. Ovchinnikova. There are 49 references.

Rozhkovskiy, D.A. Statistical Detection of Globules Against a Background of Stellar Clouds

73

Author studies the distribution of stars in connection with the detection of globules. Comparison of observed and calculated star distribution permit a rough estimation of the number and absorption of globules. Observations attest the rarity of small and dense globules. The author thanks N.N. Pariyskiy and G.M. Idlis. There are 7 references: 6 Soviet and 1 German.

Karimov, M.G. Estimating the Intensity of Coronal Lines 5303 and 6374 Å.

92

Author discusses the efficacy of estimating the intensity of the green coronal line by the 6-unit scale and by millionths of a part of the continuous solar spectrum. He describes a method of processing coronal spectra to obtain intensity values in equivalent widths applicable in the future at the Coronal Station of the Astrophysical Institute. Maps of coronal intensity are given.

Card 2/3

SOV/35-59-9-6984

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, p 15 (USSR)

AUTHORS: Makover, S.G., Rozhkovskiy, D.A., Matyagin, V.S.

TITLE: Observations of the 1957c Enke-Backlund Comet[✓] at the Mountain Observatory of the Astrophysics Institute AS Kazakhstan SSR (Alma-Ata)

PERIODICAL: Astron. tsirkulyar, 1958, July 3, Nr 193, pp 2 - 3

ABSTRACT: The authors cite the first 15 positions of the comet, determined from photographs, taken during September - October 1957, with the meniscus astrograph of the mountain astrophysics observatory in Alma-Ata. The photographs were measured in the GAISH on Bamberg's measuring apparatus and the results were processed by the Schlesinger method of relationships.

G.A.M.

Card 1/1

69870

SOV/35-59-9-7317

3. 2100

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 9, pp 73 - 74 (USSR)

AUTHOR: Rozhkovskiy, D.A.

TITLE: On the Use of the Obturator as a Changeable Diagram During the Photography of the Artificial Earth Satellites 12

PERIODICAL: Astron. tsirkulyar, 1958, July 3, Nr 193, pp 10 - 12

ABSTRACT: ✓ There is a description of an apparatus which permits one to obtain images of the trails of the satellite, sufficiently fine and of the same thickness regardless of its speed, apparent motion and brightness. The apparatus is in the form of an obturator with rotating blades mounted in front of the lens of a high aperture ratio camera. It automatically changes the operating aperture of the lens from 0.05 full-sized aperture to 0.50. The obturator sends out pulses twice per second, which actuate rapid oscillations of the plane-parallel plate, guaranteeing the reception of the sinusoidal sections of the satellite's trail. The obturator, which is used at the mountain Astrophysical Observatory in Alma-Ata, produces a tenfold weakening of the brightness of the satellite during one cycle of oscillations of the plate

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SOV/35-59-9-7317

On the Use of the Obturator as a Changeable Diagram During the Photography of the Artificial Earth Satellites

in comparison with the subsequent cycle. The design of the obturators and the weakening produced by them of the effective exposure for the stars and satellites must be chosen depending on the optic properties of the camera.

G.A. Manova

Card 2/2

ROZHKOVSKIY, D.A.; MATYAGIN, V.S.; KHARITONOV, A.V.

Photographic observations of artificial satellites on the Maksutov meniscus telescope [with summary in English]. Astron. zhur. 35 no.3:479-485 My-Je '58. (MIRA 11:6)

1. Astrofizicheskiy institut AN KazSSR.
(Artificial satellites) (Telescope)

SOV/3238

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001445720001-7

Rozhkovskiy, D.A.
3(1) p.2

PHASE I BOOK EXPLOITATION
Akademiya nauk Kazakhskoy SSR. Astrofizicheskiy institut
Izvestiya, tom VIII (News of the Astrophysics Institute, Kazakh SSR Academy of Sciences, vol. 8) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1959. 850 copies printed
Eds.: F. Ya. Osadchiy, and Yu. N. Kuznetsov; Tech. Ed.: Z. P. Rorokina; Editorial Board: G. M. Idlis, M. G. Karimov, Z. V. Karyagina (Secretary), D. A. Rozhkovskiy, V. G. Fesenkov (Resp. Ed.).

PURPOSE: This collection of articles is intended for geophysicists and astronomers.
COVERAGE: This collection of articles in astronomy contains studies on the distribution of asteroids as revealed by zodiacal light characteristics, the distortion of the luminosity curve of a variable star, the integrals of motion of an individual star, the electromagnetic mechanism in solar prominences, sky polarization in the Libyan desert, projector research, etc. English abstracts accompany each article. References follow individual articles.

News of the Astrophysics (Cont.)

SOV/3238

TABLE OF CONTENTS:

Fesenkoy, V. G. Conditions Under Which Asteroids Disintegrate as Revealed by Characteristics of the Zodiacal Light 3

Fesenkoy, V. G. Zodiacal Twilights 13

Rozhkovskiy, D. A., and R. Kh. Gaynullina. Distortion of the Luminosity Curve Disclosed in Photographs of Long Exposure 19

Idlis, G. M. Connection of Common Properties of the Gravitational Potential of Stellar Systems With a General Form of the Integrals of Motion of an Individual Star 24

Matyagin, V. S. Transparency Coefficients of the Atmosphere in the Ultra-violet by Observing Several Stars 53

Karimov, M. G. The Yellow Coronal Line 5694A From Observations Outside Eclipse 59

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News of the Astrophysics (Cont.)

SOV/3238

- Obashev, S. O. Electromagnetic Mechanism of Heating Solar Prominences 64
- Karyagin, Z. V. The Low-Latitude Aurora of September 29-30, 1957 68
- Gaynullina, R. Kh. Spectral Photometry in the Red Spectrum Part of the Low-Latitude Aurora on Sept 29-30, 1957 79
- Pyaskovskaya-Fesenkova, Ye. V. Some Data on Polarization in the Sky in Southern Egypt 82
- Boyko, P. N., G. Sh. Livshits, and T. P. Toropeva. Projector Studies of the Indicatrices of Light Scattering 98
- Boyko, P. N. Spectroelectrophotometer Equipped With an Automatic Spectrum Recorder 108

AVAILABLE: Library of Congress

Card 3/3

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~~3(1)~~ 3.2100

AUTHOR:

Rozhkovskiy, D. A., Candidate of Physical and Mathematical Sciences SOV/30-59-5-22/43

TITLE:

In the Station of Photographic Observations (Nastantsii fotograficheskikh, nablyudeniy).

PERIODICAL:

Vestnik Akademii nauk SSSR, 1959, Nr 5, pp 95-98 (USSR)

ABSTRACT:

The Station Nr 67 for Photographic Observations of the Artificial Earth Satellites which belongs to the net of similar stations was established by the Astrofizicheskiy institut Akademii nauk Kazakhskoy SSR (Astrophysics Institut of the Academy of Sciences of the Kazakh SSR) on the Kamenskaya highland near Alma-Ata in October 1957. It was equipped with a wide-angle camera "Sofir" Boyye (shirokougol'naya kamera) (diameter of the lens 100 mm, focal distance 450 mm) and a narrow film camera with a "Zonnar" lens. As this cannot be regarded as first-class equipment, scientists endeavor to improve the methods of photographing in order to be able to photograph the weak-luminosity earth satellites. The effect of earth satellites upon the photo emulsion is approximately expressed by the formula $E = \frac{D^2}{F^2 v}$ in which D denotes the diameter of

Card 1/2

the camera lens, F - the focal distance, v - the linear velocity

23(

SOV/77-4-3-8/16

AUTHOR: Rozhkovskiy, D.A.

TITLE: On the Suitability of Considering the Fog Phenomenon
in the Photometry of Astronomic Negatives

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinemato-
grafii, 1959, Vol 4, Nr 3, pp 210-214 (USSR)

ABSTRACT: The author reports on a series of experiments on the
fog problem in the photometry of astronomic negatives.
For his investigation the author used three photo-
graphic plates Agfa 13x18 cm, Astro non-sensitized
(I), Astro isochromatic (II) and Astro panchromatic
(III). The plates were covered with an opaque mask
containing 150 circular perforations 1.5 mm in dia-
meter. The perforations were regularly distributed
within an area of 9 x 14 cm. Mask and plate were
exposed to a weak light source with directed radia-
tion. The blackening spots obtained in this way
were photometrically identical, and their remoteness
from the edges of the plate (20 mm) excluded effects

Card 1/4

SOV/77-4-3-8/16

On the Suitability of Considering the Fog Phenomenon in the Photometry of Astronomic Negatives

possibly caused by the fluctuations of the emulsion properties in the peripheral areas of the plate. For 10 minutes the exposed plates were developed in D-16 developer at a temperature of $+20^{\circ}\text{C}$. Then they were measured by an MF-2 microphotometer. The measures of the spots, as selected for the experiments, were close to the measures of analogous exposures in astrophotometry (blackening spots of the tubular photometer, extrafocal images of stars, etc.). The results of the experiments can be summarized. There is a basic correlation between the optical densities of the individual spots and the respective surrounding fog areas, the intensity of the correlation being subject to distance. The coefficients of linear dependence are small and vary considerably in dependence on the location of spots and fogs on the plate. The signs, however, remain unchanged (table 1). It is

Card 2/4

SOV/77-4-3-8/16

On the Suitability of Considering the Fog Phenomenon in the Photometry of Astronomic Negatives

possible that the correlation is not linear. The Herter and Driffield (Kherter and Driffild) method of fog evaluation does not supply the means to even out the differences in the measuring results. It is doubtful whether this method can be considered suitable. The results of the experiments do not exclude the suitability of fog evaluation in the photometry of objects, which occupy only a small space on the plate. This applies, for instance, to the case of focal star images. Fog measuring is also suitable for the evaluation of the uniformity of the sensitometric properties of a plate. The author mentions the scientists K.Miz, Ya.M.Katushev, V.I.Sheberstov and G.A.Tikhov. There are 5 tables, 3 graphs and 6 references, 5 of which are Soviet

Card 3/4

SOV/77-4-3-8/16

On the Suitability of Considering the Fog Phenomenon in the Photometry of Astronomic Negatives

and 1 German.

ASSOCIATION: Astrofizicheskiy institut Akademii nauk Kazakhskoy SSR
(Astrophysical Institute of the AS of the Kazakhskaya SSR)

SUBMITTED: June 15, 1957.

Card 4/4

ROZHKOVSKIY, D.A.

Microphotometer with a turning table. Astron.tsir. no.207:8-10 D
'59. (MIRA 13:6)

1. Astrofizicheskiy institut AN KazSSR.
(Photometer)

, ROZHKOVSkiy, D. A.

PHASE I BOOK EXPLOITATION

SOV/4605

Akademiya nauk SSSR. Astrofizicheskiy institut

Izvestiya, tom 10 (News of the Astrophysics Institute of the Academy of Sciences Kazakhskaya SSR) Alma-Ata, 1960. 100 p. 750 copies printed.

Editorial Board: G. M. Idlis, M. G. Karimov, Z. V. Karyagina (Secretary), D. A. Rozhkovskiy, and V. G. Fesenzov (Resp. Ed.); Eds.: L. S. Rzhondkovskaya, and M. Ya. Brailovskaya; Tech. Ed.: V. P. Prokhorov.

PURPOSE: This publication is intended for astrophysicists.

COVERAGE: This is a collection of 13 articles on problems in astrophysics. Individual articles discuss: the forces of gravity, radiative pressure, and inter-reaction of heavenly bodies; the distribution of surface brightness in reflecting nebulae; the relative motion of double stars with corpuscular emission; the photographic determination of the position of the sodium cloud released by the second Soviet cosmic rocket; the relationship between the decrease in the kinetic temperature of the corona and its monochromatic emission in the region of protuberances; the relationship between the velocities of moving sunspot protuberances and variations in their brightness; the ratio of photo-emulsion density to the polarization plane of light falling

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News of the Astrophysics Institute (Cont.)

SOV/4605

at different angles; airglow emissions in the red band spectrum as observed from Alma-Ata; brightness and polarization of the daytime sky observed in the almucantar of the sun in August 1956 in Alma-Ata; the effect of aerosols in the scattering of light in the near-surface layer; the results of an investigation of the absorption function in the μ water vapor band; the distribution of energy in the spectrum of the daytime sky. No personalities are mentioned. Each article is accompanied by a brief English summary and references.

TABLE OF CONTENTS:

Idlis, G. M. Force Interaction Between Massive Radiating Bodies	3
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Idlis, G. M., and T. B. Omarov. Evolution of the Orbits of Wide Double Stars With Corpuscular Emission	28
Bugoslavskaya, Ye. Ya. (Deceased), K. G. Dzhakusheva, M. G. Karimov, A. V. Kurchakov, V. S. Matyagin, D. A. Rozhkovskiy, and M. A. Svechnikov. Determining the Coordinates of Artificial Comets	36

Card 2/4

ROZHKOVSKIY, D.A.

S/O35/61/000/012/002/043
A/D1/A101

AUTHORS: Bugoslavskaya, Ye.Ya., Dzhakusheva, K.G., Karimov, M.G., Kurchatov, A.V., Matyagin, V.S., Rozhkovskiy, D.A., Svechnikov, M.A.

TITLE: Determination of artificial comet coordinates

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 12, 1961, 21, abstract 12A188 ("Izv. Astrofiz. in-ta AN KazSSR", 1960, v. 10, 35-36. Engl. summary)

TEXT: The authors present the results of determining the position of an artificial comet on the basis of photographs taken on September 12, 1959, at the Mountain Astrophysical Observatory in Alma-Ata by means of a Kometa-A camera (D=100 mm, F=500 mm) and a meniscus astrograph (D=500 mm, F=1,200 mm) (cf. HZhAstr. 1960, no. 9, 9302). The measurements were carried out on devices KIM-3 (KIM-3) and YIM-21 (UIM-21); positions of two control stars and of three fundamental ones were measured. Coordinates of three positions of the comet are given. The determination accuracy varies, dependent on the image density, from $\pm 2''$ to $\pm 7''$.

D. Ponomarev

[Abstracter's note: Complete translation]

Card 1/1

ROZHKOVSKIY, D.A.

Polarigraph for summing intermittent exposures. Astron.tsir.
no.216:7-9 D '60. (MIRA 14:4)

1. Astrofizicheskiy institut AN KazSSR.
(Polariscope) (Photometry, Astronomical)

ROZHKOVSKIY, D. A.

Doc Phys-Math Sci - (diss) "Study of gas-dust nebulae on the basis of photographic observations with the Maksutov increased-power telescope." Moscow, 1961. 21 pp; (Moscow Order of Lenin and Order of Labor Red Banner State Univ imeni M. V. Lomonosov, Physics Faculty); 150 copies; price not given; list of author's works on p 21 (28 entries); (KL, 7-61 sup , 217)

ROZHKOVSKIY, D.A.; KURCHAKOV, A.V.; MATYAGIN, V.S.

Photometric and spectrophotometric observations of Giacobini-Zinner's comet. Izv.Astrofiz.inst.AN Kazakh.SSR 11:116-117
'61.

(Comets)

(MIRA 14:3)

ROZHKOVSKIY, D.A.

Rapid preliminary centering of the Maksutov 50 cm. telescope.
Izv.Astrofiz.inst.AN Kazakh.SSR 11:118-120 '61. (MIRA 14:3)
(Telescope, Reflecting)

ROZHKOVSKIY, D.A.

Polarization of light in the Trifid nebula.
inst.AN Kazakh.SSR 12:21-26 '61.
(Nebulae)
(Polarization (Light))

Izv.Astrofiz.
(MIRA 14:12)

Izv. Astrofiz.
(MIRA 14:12)

ROZHKOVSKIY, D.A.

Rapid method for microphotometric determination of the
integral brightness of an extended object. Astron. zhur. 38
no. 2:278-282 Mr-Apr '61. (MIRA 14:4)

1. Astrofizicheskiy institut AN KazSSR.
(Microphotometer)
(Photometry, Astronomical)

ROZHKOVSKIY, D.A.

Universal comparator for astrophotographs. Astron.zhur. 38
no.2:284-286 Mr-Ap '61. (MIRA 14:4)
(Astronomical photography--Equipment and supplies)

ROZHKOVSKIY, D.A.

Photometric investigation of reflection nebulae. *Izv. Astrofiz. inst.*
AN Kazakh.SSR 13:27-53 '62. (MIRA 15:6)
(Nebulae)

ROZHKOVSKIY, D.A.; GLUSHKOV, Yu.I.; DZHAKUSHEVA, K.G.

Nebula Omega and its environs according to photographs obtained
on the 50 cm. Maksutov telescope. Izv. Astrofiz. inst. AN Kazakh.
SSR 14:19-33 '62. (MIRA 15:8)

(Nebulae)

ROZHKOVSKIY, D.A.; DZHAKUSHEVA, K.G.

Use of an automatic polarigraph based on the principle of the
accumulation of interrupted expositions. Izv.Astrofiz.inst.
AN Kazakh.SSR 14:34-42 '62. (MIRA 15:8)
(Polariscope)

LIVSHITS, G.Sh.; FESENKOV, V.G., akademik, red.; IDLIS, G.M., doktor
fiz.-matem.nauk, zamestitel' red.; PYASKOVSKAYA--FESENKOVA, Ye.V.,
doktor fiz.-matem.nauk, red.; ROZHKOVSKIY, D.A., doktor fiz.-matem,
nauk, red. toma; RUDINA, M.P., kand.fiz.-matem.nauk, red.;
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ROZHKOVSKIY, D.A.

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L 52493-65 EEO-2/EWT(d)/FBD/FSS-2/EWT(1)/FS(v)-3/EEC(k)-2/EWA(d)/T-2/EEC(c)-2/
EED-2 Pn-4/Po-4/Pq-4/Pac-4/Pg-4/Pae-2/Pi-4/Pk-4/Pl-4 GN/WR
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AUTHOR: Rozhkovskiy, D. A.

TITLE: Photometric observations of artificial satellites entering the earth's shadow

SOURCE: AN SSSR. Astronomicheskii sovet. Byulleten' stantsiy opticheskogo nablyudeniya iskusstvennykh sputnikov Zemli, no. 39, 1964, 17-19

TOPIC TAGS: artificial satellite, satellite tracking, photometry, brightness / Echo I satellite, AT 1 telescopic finder

ABSTRACT: The author describes a photometric method of observing satellites as employed at the Astrofizicheskiy Institut AN Kazakhskoy SSR (Astrophysical Institute, AN Kazakh SSR) in Alma-Ata. Observations were made on Echo-1 with a miniscus telescope (F = 120 cm, D = 50 cm, field = 5°). The telescope was equipped with an oscillating plane-parallel plate in front of the focal plane, a motor to permit rapid rotation of the instrument, and a wide-angle (AT-1) finder. Observations were best on perfectly clear nights, preferably moonless, with fairly precise ephemeris for the satellite. The author found it impossible to compute beforehand the coordinates and time of the satellite's entrance into

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the earth's shadow. With the equipment he used, success depended essentially on the skill of the observer. If possible, at least three photographs were taken before the satellite entered the earth's shadow. The time of entrance into the shadow was critical because the order of magnitude of satellite brightness decreased by a factor of five within about 10 seconds. The problem of adequate observation here could be obviated by having a camera with wide-angle lens and with sufficient field. Several star traces (of known stars) were obtained for brightness comparison. Photometric determinations were then made by ordinary photometry of the focal images of the stars. The accuracy of the brightness determinations ranged from ± 0.1 to ± 0.3 . Observations were too few to determine the variability of Echo I brightness, but the changes were found to be irregular and rather strong. Orig. art. has: 1 figure.

ASSOCIATION: Astrofizicheskiy institut, Alma-Ata (Astrophysical Institute)

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